

## EAST Search History

| Ref # | Hits | Search Query   | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|--|--|------------------|---------|------------------|
| L1    | 0    | 356/375,376.CCLS. AND (THREE NEAR DIMENSIONAL NEAR ((IMAGE OR MEASURING))  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2008/08/01 18:08 |
| L2    | 15   | 356/325,326.CCLS. AND (THREE NEAR DIMENSIONAL NEAR ((IMAGE OR MEASURING))  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2008/08/01 18:08 |
| L5    | 0    | ((image near obtaining) same (moving or along) same (shaft same transfer)) and (((scanning same grating same image) same frequency) and (grating near image) same chang\$4).clm. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2008/08/01 18:22 |
| L6    | 0    | ((image near obtaining) same (moving or along) same (shaft same transfer)) and (((scanning same grating same image) same frequency) and (grating near image) same chang\$4)      | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2008/08/01 18:22 |
| L7    | 0    | ((image near obtaining) same (moving or along) and (shaft same transfer)) and (((scanning same grating same image) same frequency) and (grating same image) and chang\$4)        | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2008/08/01 18:23 |
| L8    | 0    | ((image near obtaining) same (moving or along) and (shaft same transfer)) and (((scanning same grating same image) same frequency) and (grating same image) and chang\$4).clm.   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2008/08/01 18:23 |
| L9    | 0    | ((image near (obtain\$4 or captur\$4)) same (moving or along) and (shaft same transfer)) and (((scann\$4 same grating) same frequency) and (grating same image) and chang\$4)    | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2008/08/01 18:24 |
| L10   | 257  | ((image near (obtain\$4 or captur\$4)) same (moving or along) and (shaft same transfer))   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2008/08/01 18:24 |
| L11   | 3    | ((image near (obtain\$4 or captur\$4)) same (moving or along) and (shaft same transfer)).clm.  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2008/08/01 18:24 |

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| L12 | 1   | ((scann\$4 same grating) same frequency) and (grating same image) and chang\$4.clm.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/08/01<br>18:24 |
| L13 | 7   | 10 and (grat\$4 near (image or display or object))  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/08/01<br>18:25 |
| S1  | 1   | "10542919"  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/19<br>17:31 |
| S2  | 485 | "356"/.clas. and (three near dimensional near measuring)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/27<br>10:10 |
| S3  | 2   | S2 and (x near y near z) and (shaft and mount\$4 and base and emit\$4 and guide and transfer and (stage or support))                                      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/20<br>11:18 |
| S4  | 826 | (x near y near z) and (shaft and mount\$4 and base and emit\$4 and guide and transfer and (stage or support))   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/27<br>16:10 |
| S5  | 11  | (x near y near z) and (shaft and mount\$4 and base and emit\$4 and guide and transfer and (stage or support)) and (three near dimensional near measuring) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/20<br>09:47 |
| S6  | 1   | koh-kwang-III.I.N.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/20<br>09:48 |
| S7  | 0   | koh-kwang.I.N.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/20<br>09:47 |
| S8  | 251 | 356/600-604.CCLS. AND (THREE NEAR DIMENSIONAL NEAR (IMAGE OR MEASURING))  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/20<br>09:51 |
| S9  | 2   | S8 AND (shaft and mount\$4 and base and emit\$4 and guide and transfer and (stage or support))  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/20<br>09:49 |

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| S10 | 157 | S4 and (motor and screw and ball and (pzl or piezoelectric))                                    | US-PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/23<br>13:05 |
| S11 | 1   | S2 and (motor and screw and ball and (pzl or piezoelectric))                                    | US-PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/20<br>09:50 |
| S12 | 2   | S8 and (motor and screw and ball and (pzl or piezoelectric))                                    | US-PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/20<br>09:50 |
| S13 | 41  | 356/375-376, 237,600-604.<br>CCLS. AND (THREE NEAR<br>DIMENSIONAL NEAR (IMAGE<br>OR MEASURING)) | US-PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/20<br>10:03 |
| S14 | 1   | S13 and (motor and screw and ball and (pzl or piezoelectric))                                   | US-PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/20<br>09:52 |
| S15 | 251 | 356/375,376,237,600-604.COLS.<br>AND (THREE NEAR<br>DIMENSIONAL NEAR (IMAGE<br>OR MEASURING))   | US-PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/20<br>10:06 |
| S16 | 0   | S15 and ((pzl or piezoelectric)<br>near actuator) and (rotat\$4 near<br>(mirror or galvno))     | US-PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/20<br>10:07 |
| S17 | 251 | S8  | US-PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/20<br>10:07 |
| S18 | 0   | S8 and ((pzl or piezoelectric)<br>near actuator) and (rotat\$4 near<br>(mirror or galvno))      | US-PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/20<br>10:07 |
| S19 | 0   | S10 and ((pzl or piezoelectric)<br>near actuator) and (rotat\$4 near<br>(mirror or galvno))     | US-PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/20<br>10:07 |
| S20 | 15  | (three near dimension\$4 near<br>image near measuring near<br>apparatus)                        | US-PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/20<br>10:10 |

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| S21 | 64 | "4794550"  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/20<br>10:11 |
| S22 | 62 | "5175601"  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/20<br>10:11 |
| S23 | 10 | S22 and ((three near dimensional near measuring)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/20<br>10:24 |
| S24 | 5  | S21 and ((three near dimensional near measuring)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/20<br>10:57 |
| S25 | 20 | S22 and ((three near dimensional) same measuring)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/20<br>10:24 |
| S26 | 10 | S21 and ((three near dimensional) same measuring)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/20<br>10:40 |
| S27 | 65 | ("3943278"   "4111557"  <br>"4155098"   "4169980"  <br>"4212073"   "4498770"  <br>"4564295"   "4697927").PN. OR<br>("4794550").URPN.   | US-PGPUB;<br>USPAT; USOCR  | OR | OFF | 2007/09/20<br>10:39 |
| S28 | 10 | S27 and ((three near dimensional) same measuring)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/20<br>10:41 |
| S29 | 91 | ("3166624"   "3627427"  <br>"3943278"   "4051483"  <br>"4070683"   "4212073"  <br>"4273448"   "4459027"  <br>"4525858"   "4577940"  <br>"4664470"   "4675730"  <br>"4742237"   "4794550"  <br>"4803645"   "4810895"  <br>"4813761"   "4814601"  <br>"4834530"   "4836681"  <br>"4842411"   "4850673"  <br>"4850693"   "4867570"  <br>"4872757"   "4874955"  <br>"4877970"   "4887899"  <br>"4895434"   "4895448"  <br>"4900144"   "4904084"  <br>"4928169"   "4929083"  <br>"4939368"   "4939380"  <br>"4948258").PN. OR ("5175601").<br>URPN. | US-PGPUB;<br>USPAT; USOCR  | OR | OFF | 2007/09/20<br>10:41 |

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| S30 | 22    | S29 and ((three near dimensional) same measuring)   | US-PGPUB;<br>USPAT; USOOR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/20<br>11:13 |
| S31 | 23915 | ((pzt or (piezoelectric) near actuator and (liquid near crystal or (lcd))))   | US-PGPUB;<br>USPAT; USOOR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/27<br>10:11 |
| S32 | 21    | S4 and ((pzt or (piezoelectric) near actuator and (liquid near crystal or (lcd))))                                    | US-PGPUB;<br>USPAT; USOOR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/20<br>11:14 |
| S33 | 7     | S2 and ((pzt or (piezoelectric) near actuator and (liquid near crystal or (lcd))))                                    | US-PGPUB;<br>USPAT; USOOR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/20<br>11:14 |
| S34 | 260   | S31 and (motor and screw and ball and (pzt or piezoelectric))   | US-PGPUB;<br>USPAT; USOOR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/20<br>12:37 |
| S35 | 21    | S31 and (x near y near z) and (shaft and mount\$4 and base and emit\$4 and guide and transfer and (stage or support)) | US-PGPUB;<br>USPAT; USOOR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/20<br>11:18 |
| S36 | 30    | S34 and (grating and transfer and (support or base))  | US-PGPUB;<br>USPAT; USOOR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/20<br>11:20 |
| S37 | 1     | S34 and (reflect\$4 near (light or beam)) and (mount\$4 and scan \$4 and galvano)                                     | US-PGPUB;<br>USPAT; USOOR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/20<br>11:27 |
| S38 | 54    | S34 and (reflect\$4 near (light or beam)) and (mount\$4 and scan \$4)   | US-PGPUB;<br>USPAT; USOOR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/20<br>11:29 |
| S39 | 1     | S34 and galvano   | US-PGPUB;<br>USPAT; USOOR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/20<br>11:29 |
| S40 | 94    | S31 and galvano   | US-PGPUB;<br>USPAT; USOOR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/20<br>11:29 |

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| S41 | 14 | S15 and galvano   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/20<br>11:29 |
| S42 | 31 | S2 and galvano  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/20<br>11:30 |
| S43 | 6  | S40 and ((pzl or (piezoelectric)<br>near actuator) and (rotat#S4 near<br>mirror) and (transfer))  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/27<br>08:53 |
| S44 | 3  | ("5776545"   "5833446"  <br>"6482062").PN. OR ("7040945").<br>URPN.   | US-PGPUB;<br>USPAT; USOCR  | OR | OFF | 2007/09/20<br>11:38 |
| S45 | 47 | S34 and (xyz or (x same y same<br>z) and (transfer))  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/20<br>12:39 |
| S46 | 9  | S45 and (ball near screw)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/20<br>12:17 |
| S47 | 19 | ("4710865"   "4924257"  <br>"5255347"   "5268834"  <br>"5289231"   "5371669"  <br>"5473412"   "5477304"  <br>"5663783"   "Re33267").PN. OR<br>("5940789").URPN.   | US-PGPUB;<br>USPAT; USOCR  | OR | OFF | 2007/09/20<br>12:27 |
| S48 | 15 | ("20010021009"  <br>"20020048006"  <br>"20020054280"  <br>"20020140921"  <br>"20030030779"  <br>"20030071981"  <br>"20030098962"  <br>"20030128345"  <br>"20040027552"   "5877845"  <br>"5907392"   "5940789"  <br>"5986743"   "6069683"  <br>"6260282").PN. OR ("7256866").<br>URPN. | US-PGPUB;<br>USPAT; USOCR  | OR | OFF | 2007/09/20<br>12:36 |
| S49 | 23 | Kubo-Hiroyoshi.in.  | US-PGPUB;<br>USPAT; USOCR  | OR | OFF | 2007/09/20<br>12:36 |
| S50 | 0  | S49 and (motor and screw and<br>ball and (pzl or piezoelectric))  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/20<br>12:37 |
| S51 | 0  | S49 and (motor and screw and<br>ball and (actuator))  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/20<br>12:37 |

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| S52 | 16 | S49 and (motor and (actuator))   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/20<br>12:37 |
| S53 | 13 | S48 and (motor and (actuator))   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/20<br>12:37 |
| S54 | 9  | ("20020189117"   "5524502"  <br>"5701041"   "5858587"  <br>"6188150"   "6208408"  <br>"6320649"   "6353271"  <br>"6442858").PN. OR ("7075624").<br>URPN. | US-PGPUB;<br>USPAT; USOCR  | OR | OFF | 2007/09/20<br>12:39 |
| S55 | 3  | S54 and (xyz or (x same y same<br>z) and (transfer))   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/20<br>13:55 |
| S56 | 1  | S38 and (xyz and (transfer))   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/20<br>13:56 |
| S57 | 83 | S31 and (xyz and (transfer))   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/20<br>15:29 |
| S58 | 5  | S34 and (xyz and (transfer))   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/20<br>13:56 |
| S59 | 2  | S57 and (three near dimensional<br>near measuring)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/20<br>15:01 |
| S60 | 15 | S57 and (three near dimensional<br>near imag\$4)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/20<br>15:04 |
| S61 | 1  | S57 and (three near dimensional<br>near transfer)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/20<br>17:53 |
| S62 | 11 | S57 and (three near dimensional<br>same (transfer))  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/20<br>15:04 |

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| S63 | 0      | ((((xyz) or (xy and z)) near (transfer)) and ((three near dimension\$4) same (imag\$4 near measur\$4)))   | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/20<br>15:31 |
| S64 | 6      | ((((xyz) or (xy and z)) near (transfer)) and ((three near dimension\$4)))   | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/20<br>15:32 |
| S65 | 2      | "7262857"   | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/20<br>15:32 |
| S66 | 6      | ("4926452"   "5848115"   "6628746"   "6687328").PN, OR ("7099432").URPN,  | US_PGPUB;<br>USPAT; USOCR  | OR | OFF | 2007/09/20<br>15:42 |
| S67 | 8      | Ichihara-Masaru.in.   | US_PGPUB;<br>USPAT; USOCR  | OR | ON  | 2007/09/20<br>15:43 |
| S68 | 3      | "11350279"  | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/20<br>17:53 |
| S69 | 44     | (US-20030128345-\$ or US-20050283072-\$ or US-20060158664-\$ or US-20040145746-\$ or US-20030043387-\$ or US-20050174581-\$ or US-20040041997-\$ or US-20030030779-\$ or US-20060045327-\$ or US-20030098962-\$).did. or (US-6268923-\$ or US-5450204-\$ or US-7040945-\$ or US-5307151-\$ or US-6594081-\$ or US-5175601-\$ or US-6181424-\$ or US-6775010-\$ or US-6937911-\$ or US-6836033-\$ or US-6570645-\$ or US-5477304-\$ or US-5729015-\$ or US-6133052-\$ or US-5854745-\$ or US-4971445-\$ or US-5393288-\$ or US-6956963-\$ or US-6760113-\$ or US-4794550-\$ or US-5784098-\$ or US-4051483-\$ or US-5102223-\$ or US-4867570-\$ or US-7075661-\$ or US-6873421-\$).did. or (US-5986743-\$ or US-6442858-\$ or US-6798527-\$ or US-7237919-\$ or US-5940789-\$ or US-4924257-\$ or US-5907392-\$ or US-6353271-\$).did. | US_PGPUB;<br>USPAT   | OR | OFF | 2007/09/23<br>13:01 |
| S70 | 107083 | S69 and (obtain\$4 near image) or (scan\$4 near (image or grating or object))   | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/23<br>13:03 |

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|-----|--------|---|--|----|----|---------------------|
| S71 | 21     | S69 and ((obtain\$4 near image) or (scan\$4 near (image or grating or object))) | US_PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/23<br>13:03 |
| S72 | 253252 | ((obtain\$4 near image) or (scan\$4 near (image or grating or object)))         | US_PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/23<br>13:03 |
| S73 | 2      | S71 and (motor and screw and ball and (pzl or piezoelectric))                   | US_PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/23<br>13:06 |
| S74 | 2      | S71 and (three near object)   | US_PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/23<br>13:08 |
| S75 | 6      | S71 and (three near dimension \$4 near (measur\$4or image))                     | US_PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/23<br>13:08 |
| S76 | 13     | S71 and (three near dimension \$4 near (measur\$4 or image))                    | US_PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/27<br>09:58 |
| S77 | 4      | liu-lang.in. and (stage or three or dimensional)                                | US_PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/24<br>10:52 |
| S78 | 60     | "4791586"   | US_PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/27<br>08:53 |
| S79 | 188    | "4805123"   | US_PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/27<br>08:53 |
| S80 | 66     | "5963314"   | US_PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/27<br>08:57 |
| S81 | 166    | "5563702"   | US_PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/27<br>08:53 |

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|-----|-----|--|--|----|----|---------------------|
| S82 | 3   | "20020033449"  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/27<br>08:53 |
| S83 | 0   | S78 and (transfer and linear and motor and shaft)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/27<br>11:38 |
| S84 | 1   | S79 and (transfer and linear and motor and shaft)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/27<br>08:58 |
| S85 | 1   | S80 and (transfer and linear and motor and shaft)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/27<br>08:58 |
| S86 | 3   | S81 and (transfer and linear and motor and shaft)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/27<br>08:57 |
| S87 | 110 | ((((three near dimension\$4) same (measur\$4)) and (stage and shaft and transfer) and (screw and motor and ball and scan\$4))) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/27<br>10:18 |
| S88 | 85  | S87 and (grating and (mirror or galvno or distribut\$4))   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/27<br>10:03 |
| S89 | 80  | S87 and (rotat\$4 same (mirror))   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/27<br>10:03 |
| S90 | 9   | S87 and (shaft same transfer)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/27<br>10:04 |
| S91 | 0   | 356/436.clas. and (three same dimensional)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/27<br>10:11 |
| S92 | 11  | 356/436.cols. and (three same dimensional same measur\$4)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/27<br>10:14 |

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|------|-----|---|--|----|----|---------------------|
| S93  | 0   | S92 and ((pzt or (piezoelectric) near actuator and (liquid near crystal or (lcd))))   | US_PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/27<br>10:12 |
| S94  | 0   | S92 and ((pzt or (piezoelectric) and (liquid near crystal or (lcd))))   | US_PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/27<br>10:12 |
| S95  | 307 | Tajima-Hideji .in.  | US_PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/27<br>10:14 |
| S96  | 12  | Tajima-Hideji.in. and (measur\$4 and three and dimension\$4)  | US_PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/27<br>10:17 |
| S97  | 1   | "10543471"  | US_PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/27<br>10:17 |
| S98  | 1   | S95 and (((three near dimension \$4) same (measur\$4)) and (stage and shaft and transfer) and (screw and motor and ball and scan\$4)) | US_PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/27<br>10:19 |
| S99  | 0   | S95 and ((x near y near z) and (shaft and mount\$4 and base and emit\$4 and guide and transfer and (stage or support)))               | US_PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/27<br>10:19 |
| S100 | 81  | S88 and ((x near y near z) and (shaft and mount\$4 and base and emit\$4 and guide and transfer and (stage or support)))               | US_PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/27<br>10:20 |
| S101 | 3   | "11350279"  | US_PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/27<br>11:49 |
| S102 | 0   | S101 and (pzt or (piezo) and ((rotat\$4 or movin\$3) same (mirror or grating or stage)))  | US_PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/27<br>11:51 |
| S103 | 0   | S101 and (pzt or (piezo) and ((rotat\$4 or movin\$3) and (mirror or grating or stage)))   | US_PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/27<br>11:50 |

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|------|----|---|--|----|-----|---------------------|
| S104 | 44 | (US-20030128345-\$ or US-20050283072-\$ or US-2006015864-\$ or US-20040145746-\$ or US-20030043387-\$ or US-20050174581-\$ or US-20040041997-\$ or US-20030030779-\$ or US-20060045327-\$ or US-200300989862-\$).did. or (US-6268923-\$ or US-5450204-\$ or US-7040945-\$ or US-5307151-\$ or US-6594081-\$ or US-5175601-\$ or US-6181424-\$ or US-6775010-\$ or US-6937911-\$ or US-6836033-\$ or US-6570645-\$ or US-5477304-\$ or US-5729015-\$ or US-6133052-\$ or US-5854745-\$ or US-4971445-\$ or US-5393288-\$ or US-6956963-\$ or US-6760113-\$ or US-4794550-\$ or US-5784098-\$ or US-4051483-\$ or US-5102223-\$ or US-4867570-\$ or US-7075661-\$ or US-6873421-\$).did. or (US-5986743-\$ or US-6442858-\$ or US-6798527-\$ or US-7237919-\$ or US-5940789-\$ or US-4924257-\$ or US-5907392-\$ or US-6353271-\$).did. | US-PGPUB;<br>USPAT   | OR | OFF | 2007/09/27<br>17:36 |
| S105 | 12 | S104 and ((pzr or (piezo) and ((rotat\$4 or movin\$3) same (mirror or grating or stage)))   | US-PGPUB;<br>USPAT; USOOR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/27<br>16:24 |
| S106 | 1  | S104 and ((laser or light) same (pointer))  | US-PGPUB;<br>USPAT; USOOR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/27<br>12:58 |
| S107 | 2  | S104 and ((laser or light) and (pointer))   | US-PGPUB;<br>USPAT; USOOR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/27<br>12:59 |
| S108 | 11 | S104 and (grating same (light or source or emitting or beam or laser))  | US-PGPUB;<br>USPAT; USOOR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/27<br>12:00 |
| S109 | 2  | S105 and (grating same (light or source or emitting or beam or laser))  | US-PGPUB;<br>USPAT; USOOR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/27<br>11:59 |
| S110 | 37 | S104 and (project\$3)   | US-PGPUB;<br>USPAT; USOOR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/27<br>12:45 |

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|------|-----|---|--|----|-----|---------------------|
| S111 | 22  | S110 and (projec\$4 near (beam or light or grating or beam))  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/27<br>12:48 |
| S112 | 2   | S104 and (predetermin\$4 near wavelength)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/27<br>13:11 |
| S113 | 18  | S104 and (crystal or lcd)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/27<br>15:44 |
| S114 | 5   | S113 and grating  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/27<br>15:45 |
| S115 | 11  | S108 and grating  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/27<br>15:46 |
| S116 | 7   | S115 and mirrors  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/27<br>15:46 |
| S117 | 65  | ("3943278"   "4111557"  <br>"4155098"   "4169980"  <br>"4212073"   "4498770"  <br>"4564295"   "4697927").PN. OR<br>("4794550").URPN.                      | US-PGPUB;<br>USPAT; USOCR  | OR | OFF | 2007/09/27<br>16:08 |
| S118 | 61  | S117 and (galvano or grating or<br>pzl or piezo or crystal or diffract<br>\$4 or rotat\$4 or mirror\$2 or<br>distributor or projection or<br>transfer\$4) | US-PGPUB;<br>USPAT; USOCR  | OR | OFF | 2007/09/27<br>16:24 |
| S119 | 486 | "356"/.clas. and (three near<br>dimensional near measuring)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/27<br>16:10 |
| S120 | 364 | S119 and (galvano or grating or<br>pzl or piezo or crystal or diffract<br>\$4 or rotat\$4 or mirror\$2 or<br>distributor or projection or<br>transfer\$4) | US-PGPUB;<br>USPAT; USOCR  | OR | OFF | 2007/09/27<br>16:10 |
| S121 | 0   | S118 and (x near y near z) and<br>(shaft and mount\$4 and base<br>and emit\$4 and guide and<br>transfer and (stage or support))                           | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/27<br>16:10 |

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| S122 | 2  | S120 and (x near y near z) and (shaft and mount\$4 and base and emit\$4 and guide and transfer and (stage or support))  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/27<br>16:11 |
| S123 | 47 | "4212073"   | US-PGPUB;<br>USPAT; USOCR  | OR | ON  | 2007/09/27<br>16:25 |
| S124 | 2  | S123 and (pz\$ or (piezo) and ((rotat\$4 or movin\$3) same (mirror or grating or stage)))   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/27<br>16:25 |
| S125 | 2  | S123 and (pz\$ or (piezo) and ((rotat\$4 or movin\$3) and (mirror or grating or stage)))  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/27<br>16:24 |
| S126 | 44 | (US-20030128345-\$ or US-20050283072-\$ or US-20060158664-\$ or US-20040145746-\$ or US-20030043387-\$ or US-20050174581-\$ or US-20040041997-\$ or US-20030030779-\$ or US-20060045327-\$ or US-20030098962-\$).did. or (US-6268923-\$ or US-5450204-\$ or US-7040945-\$ or US-5307151-\$ or US-6594081-\$ or US-5175601-\$ or US-6181424-\$ or US-6775010-\$ or US-6937911-\$ or US-6836033-\$ or US-6570645-\$ or US-5477304-\$ or US-5729015-\$ or US-6133052-\$ or US-5854745-\$ or US-4971445-\$ or US-5393288-\$ or US-6956963-\$ or US-6760113-\$ or US-4794550-\$ or US-5784098-\$ or US-4051483-\$ or US-5102223-\$ or US-4867570-\$ or US-7075661-\$ or US-6873421-\$).did. or (US-5986743-\$ or US-6442858-\$ or US-6798527-\$ or US-7237919-\$ or US-5940789-\$ or US-4924257-\$ or US-5907392-\$ or US-6353271-\$).did. | US-PGPUB;<br>USPAT   | OR | OFF | 2007/09/27<br>17:38 |
| S127 | 33 | S126 and (actuator or pzt or transducer or piezoelectric or grating)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/27<br>17:41 |
| S128 | 6  | S126 and ((actuator or pzt or transducer or piezoelectric) and grating)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/27<br>17:43 |

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|------|---------|--|--|----|----|---------------------|
| S129 | 26      | S126 and (actuator or pzt or transducer or piezoelectric)  | US-PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2007/09/27<br>17:43 |
| S130 | 4555914 | (work stage same guides same guide transfer)   | US-PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/03/12<br>16:46 |
| S131 | 12318   | S130 and (ball near screw)   | US-PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/03/12<br>16:46 |
| S132 | 2341    | S131 and (mount\$4 and transfer and dimension\$4)  | US-PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/03/12<br>16:47 |
| S133 | 23      | S132 and ((pzt or piezoelectric) and (grating))  | US-PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/03/12<br>16:48 |
| S134 | 128     | S132 and (guide\$4 near (first or second))   | US-PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/03/12<br>16:48 |
| S135 | 72      | S132 and (guide\$4 near (first and second))  | US-PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/03/12<br>16:49 |
| S136 | 2       | S132 and (guide\$4 near (first and second and transfer))   | US-PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/03/12<br>17:13 |
| S137 | 281     | S132 and (guide\$4 same (first and second and transfer))   | US-PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/03/12<br>17:13 |
| S138 | 148     | S137 and (stage)   | US-PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/03/12<br>17:14 |
| S139 | 62      | S132 and ((guide\$4 same (first and second and transfer)) same (stage or wafer or substrate or mount)) | US-PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/03/12<br>17:28 |

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|------|---------|--|--|----|-----|------------------|
| S140 | 4558666 | (work stage same guides same guide transfer)   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/03/13 10:37 |
| S141 | 12341   | S140 and (ball near screw)   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/03/13 10:37 |
| S142 | 2360    | S141 and (mount\$4 and transfer and dimension\$4)  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/03/13 10:37 |
| S143 | 62      | S142 and ((guide\$4 same (first and second and transfer)) same (stage or wafer or substrate or mount)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/03/13 10:37 |
| S144 | 4       | ("4767988"   "5433110"   "5483077"   "5629622").PN, OR ("7019522").URPN.                               | US-PGPUB; USPAT; USOCR                                   | OR | OFF | 2008/03/13 11:09 |
| S145 | 44      | S143 and (wafer or substrate or semiconductor or reticle)  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/03/13 11:10 |
| S146 | 15      | S145 and (z near (axis or dimension\$4))   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/03/13 11:18 |
| S147 | 612     | S142 and (z near (axis or dimension\$4))   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/03/13 11:18 |
| S148 | 18      | S143 and (z near (axis or dimension\$4))   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/03/13 11:18 |
| S149 | 4558666 | (work stage same guides same guide transfer)   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/03/13 13:37 |
| S150 | 12341   | S149 and (ball near screw)   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/03/13 13:37 |
| S151 | 2360    | S150 and (mount\$4 and transfer and dimension\$4)  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/03/13 13:37 |

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|------|---------|--|--|----|----|---------------------|
| S152 | 62      | S151 and ((guide\$4 same (first and second and transfer)) same (stage or wafer or substrate or mount)) | US-PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/03/13<br>13:37 |
| S153 | 18      | S152 and (z near (axis or dimension\$4))   | US-PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/03/13<br>13:37 |
| S154 | 4564844 | (work stage same guides same guide transfer)   | US-PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/03/19<br>08:04 |
| S155 | 12364   | S154 and (ball near screw)   | US-PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/03/19<br>08:04 |
| S156 | 2362    | S155 and (mount\$4 and transfer and dimension\$4)  | US-PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/03/19<br>08:04 |
| S157 | 63      | S156 and ((guide\$4 same (first and second and transfer)) same (stage or wafer or substrate or mount)) | US-PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/03/19<br>08:04 |
| S158 | 19      | S157 and (z near (axis or dimension\$4))   | US-PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/03/19<br>08:04 |
| S159 | 1955    | S155 and (laser pointer)   | US-PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/03/19<br>11:10 |
| S160 | 594     | S156 and (laser pointer)   | US-PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/03/19<br>11:10 |
| S161 | 20      | S157 and (laser pointer)   | US-PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/03/19<br>11:10 |
| S162 | 1       | S157 and (laser same pointer)  | US-PGPUB;<br>USPAT; USOCR;<br>FFRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/03/19<br>11:11 |

|      |      |   |  |    |    |                     |
|------|------|---|--|----|----|---------------------|
| S163 | 5    | S156 and (laser same pointer)   | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/03/19<br>11:11 |
| S164 | 16   | S155 and (laser same pointer)   | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/03/19<br>11:11 |
| S165 | 1379 | S154 and (laser near pointer)   | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/03/19<br>11:12 |
| S166 | 8    | S155 and (laser near pointer)   | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/03/19<br>11:12 |
| S167 | 21   | S154 and ((laser near pointer)<br>and (transfer same (guide or<br>rall))) | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | ON | 2008/03/19<br>11:14 |

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